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ance Notes on Codes and Abbreviations" appearing at the begin-  
ning of each regular issue of the PCT Gazette.*

(54) Title: LACTOBACILLUS FERMENTUM STRAIN AND USES THEREOF

(57) Abstract: The present invention concerns a new strain of *Lactobacillus fermentum* (LB-f) that is useful in preventing or treating gastrointestinal disorders in mammals, especially in humans. Also, this strain can be used as a dietary product that is beneficial to the wellbeing and health of mammals, including humans.

WO 2004/087891 A1

# INTERNATIONAL SEARCH REPORT

Internat Application No  
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C12N1/20 A61K35/74 A23C9/152 A23L1/30 A23C9/123  
C12R1/225

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N A61K A23L A23C

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, BIOSIS, EMBASE, MEDLINE, SEQUENCE SEARCH, EMBL

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 02 45727 A (LEE YEONHEE ; PAEK KYUNGSOO (KR); PLBIO CO LTD (KR)) 13 June 2002 (2002-06-13) cited in the application	1-5, 13-15, 19,21, 22,24, 25, 28-31, 34-39
Y	page 3, line 12 -page 5, line 14  page 7, line 8 -page 14, line 2; example 1 * see Sequence Listing: Seq ID NOs: 5 and 6  --- -/--	6-12, 16-18, 20,23, 26,27, 32,33



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

### \* Special categories of cited documents :

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- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \* & \* document member of the same patent family

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Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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X	<p>PAVLOVA S I ET AL: "Genetic diversity of vaginal lactobacilli from women in different countries based on 16S rRNA gene sequences." JOURNAL OF APPLIED MICROBIOLOGY, vol. 92, no. 3, 2002, pages 451-459, XP002255554 2002 ISSN: 1364-5072 page 452 -page 453 'Materials and Methods' -&amp; DATABASE EMBL 'Online! "Lactobacillus fermentum strain F53 16S ribosomal RNA gene, partial sequence" Database accession no. AF243149 XP002255557 the whole document</p>	<p>1-5</p>
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A	<p>the whole document</p>	<p>3-39</p>

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